|                | Index of Claims |   |           |          |           |          |              |           |           |          |              | Application No.     |          |          |               |           |            |                 |          |          |            | Applicant(s)  |             |          |          |          |    |                 |           |           |             |
|----------------|-----------------|---|-----------|----------|-----------|----------|--------------|-----------|-----------|----------|--------------|---------------------|----------|----------|---------------|-----------|------------|-----------------|----------|----------|------------|---------------|-------------|----------|----------|----------|----|-----------------|-----------|-----------|-------------|
|                |                 |   |           |          |           |          |              |           | -<br>     | III      |              |                     |          | 09       | /19           | 6,1       | 85         |                 |          |          |            |               |             | UF       |          |          | ΑL |                 |           |           |             |
|                |                 |   |           |          |           | Ш        |              |           |           |          |              |                     |          |          |               | ine       |            |                 |          | _        |            |               |             | rt l     |          |          |    |                 |           |           |             |
|                |                 |   |           |          |           |          |              |           |           |          |              |                     |          | 8.4:1    |               | <u> </u>  |            |                 |          |          |            |               | ١           | 07/      | 4        |          |    |                 |           |           |             |
|                |                 | . ==11  | - :=:     |          |           |          |              | =!        | -  -  -   |          | -            |                     |          | MI       | ке            | Qi        |            |                 | -        |          |            |               | 2           | 87       | ı        |          |    |                 |           |           | <del></del> |
|                |                 | $\Box$  |           |          |           | $\neg$   |              | Г         | T         | /T:      |              |                     |          |          | 7             | Γ-        | Т          |                 |          |          | 1          | $\overline{}$ |             |          |          |          |    |                 |           |           |             |
|                |                 | 1   | Re        | ејс      | tec       | <b>d</b> |              | -         | -         | (Throu   | igh r<br>anc | num<br>ball         | era      | II)      |               | N         | N          | lon-            | Elec     | ted      |            | A             |             | A        | pp       | a        | ı  |                 |           |           |             |
|                |                 | $\vdash$                                      |           |          |           | $\dashv$ |              | -         | +         |          | aric         |                     |          |          | -             | 1.        | <u> </u>   |                 |          | -        |            | Ë             |             |          |          |          |    |                 |           |           |             |
|                |                 | =   | Α         | llow     | /ed       | 1        |              | ÷         | .         | Re       | stric        | cted                | l        |          |               | 1         | lı         | nter            | fere     | nce      |            | 0             |             | Ob       | oje      | cte      | b  |                 |           |           |             |
|                |                 |   |           |          | _         |          |              | L         |           |          |              |                     |          |          |               | L.        | L.,        |                 |          |          | j          | L             |             |          |          |          |    |                 |           |           |             |
| Cla            | aim             |   |           |          | Da        | ate      |              |           |           | CI       | aim          |                     |          | •        | Da            | ıte       |            |                 | $\neg$   | Ci       | aim        |               |             |          |          | Date     |    |                 |           |           |             |
|                |                 |   |           | Т        | T         |          |              |           | П         |          | 1            |                     |          | $\top$   | Т             | T         | Π          | П               |          |          |            |               |             |          |          |          |    |                 |           |           |             |
| Final          | Original        |   |           |          |           |          |              |           |           | Final    | Original     |                     |          |          |               |           |            |                 |          | Final    | Original   |               |             |          |          |          |    |                 |           |           |             |
| i Œ            | ō               |   |           |          |           |          |              | ľ         |           | Œ        | ē            |                     | - }      |          |               |           |            |                 |          | ш        | ō          |               |             |          |          |          |    |                 |           |           |             |
|                | 1               | -   | -         | $\dashv$ | +         | _        | +            | +         | +         |          | 51           | -                   | $\dashv$ | +        | +             | +         | <u> </u>   | Н               | $\dashv$ |          | 101        | ╁             |             | +        |          | Н        |    | $\vdash$        |           | Н         |             |
|                | 2               | ÷   |           |          | Ť         |          |              |           |           |          | 52           |                     |          |          |               |           |            |                 |          |          | 102        |               |             |          |          |          |    |                 |           |           |             |
|                | 3               | ÷   |           |          |           |          |              |           |           |          | 53           | П                   |          |          |               |           |            | П               |          |          | 103        |               |             |          |          |          |    | Ш               | $\Box$    |           |             |
|                | 4               | 1   | $\square$ | _        | -         |          | - -          | $\perp$   | 4-4       |          | 54<br>55     | $\vdash \downarrow$ | $\dashv$ | +        | +             | 4         | $\vdash$   | $\vdash \vdash$ |          | $\vdash$ | 104<br>105 |               | $\vdash$    | $\dashv$ | -        | $\sqcup$ |    | $\vdash$        | $\dashv$  | Н         |             |
|                | 5<br>6          | <u>V</u>                                      | $\dashv$  |          | +         | -        | +            | +         | +         | -        | 56           | $\vdash$            |          | -        | +             |           |            | H               | $\dashv$ |          | 106        |               | $\vdash$    |          | _        |          | _  | -               | $\dashv$  |           |             |
|                | 7               | ンナナ   | $\dashv$  | -+       | +         | $\dashv$ | +            |           | $\forall$ | <b> </b> | 57           |                     | $\dashv$ | $\top$   | $\dagger$     | +         |            | $\vdash$        | $\dashv$ |          | 107        | T             | $  \cdot  $ | $\dashv$ |          |          | _  | $\Box$          | $\neg$    | Н         |             |
|                | 8               | 4   |           |          |           | $\perp$  |              | 1         | П         |          | 58           |                     |          | $\perp$  |               |           |            |                 |          |          | 108        |               |             |          |          |          |    |                 |           |           |             |
|                | 9               | <u>÷</u>                                      | Щ         | 4        | 1         | -        | $\perp$      | _         | -         | <u> </u> | 59           | $\vdash \vdash$     | 4        | +        | -             | $\perp$   |            | $\square$       | $\dashv$ |          | 109        | <u> </u>      |             | _        |          |          |    | $\sqcup$        |           | Щ         |             |
|                | 10              | ÷   |           | +        | +         | +        | +            | +         | $\dashv$  |          | 60<br>61     | $\vdash$            | +        | +        | +             | +         | $\vdash$   | $\vdash$        | $\dashv$ |          | 110<br>111 | _             |             | +        |          | $\dashv$ |    | $\vdash \vdash$ | $\dashv$  | Н         |             |
|                | 11<br>12<br>13  | -   |           | $\dashv$ | +         | +        | +            | +         | +         |          | 62           | H                   | +        | $\dashv$ | +-            | +-        | $\vdash$   |                 | $\dashv$ |          | 112        | $\vdash$      | $\forall$   | $\dashv$ | $\dashv$ |          |    | H               | $\dashv$  | H         |             |
|                | 13              | ÷   |           | _        | 士         |          | 1            |           | $\Box$    |          | 63           |                     | ╛        |          |               | 士         |            |                 |          |          | 113        |               |             |          |          |          |    |                 |           |           |             |
|                | 1 (14)          |   |           | $\bot$   | T         | $\perp$  | Ţ            | Ţ         |           |          | 64           |                     |          |          | ightharpoonup | T         |            |                 |          |          | 114        |               |             | $\Box$   |          |          |    |                 |           |           |             |
|                | 15              | <u>۷</u>                                      | _         | +        | +         | +        | +            | +         | $\dashv$  |          | 65           | $\vdash \vdash$     | _        | _        | +             | +         | H          | $\vdash$        | _        | $\vdash$ | 115        |               |             | 4        | _        |          |    | $\sqcup$        | 4         | Ш         |             |
|                | 16<br>17        |   |           | +        | +         | +        | +            | +         | +         | -        | 66<br>67     | $\vdash \vdash$     | +        |          | +             | +         | $\vdash$   | $\vdash$        | $\dashv$ |          | 116<br>117 |               |             | $\dashv$ | -        |          |    | $\vdash$        | +         | $\dashv$  |             |
|                | 18              | ٠   |           | +        | $\dashv$  | $\dashv$ | +            | +-        | + +       |          | 68           | $\vdash \vdash$     | +        | $\top$   | $\dagger$     | $\top$    |            | $\Box$          |          |          | 118        | $\vdash$      |             |          | $\dashv$ |          |    | $  \cdot  $     | $\dashv$  | $\exists$ |             |
|                | 19              | ÷   |           |          | T         |          | T            | $\top$    | Ш         |          | 69           |                     | $\Box$   |          | $\perp$       | 1         |            |                 |          |          | 119        |               |             |          |          |          |    | $\square$       |           |           |             |
|                | 20              | <u>,                                     </u> | $\sqcup$  | -        | - -       | - -      | +            | +-        | $\dashv$  | <u> </u> | 70           | $\vdash \vdash$     | $\dashv$ | +        | +             | +         |            | $\vdash \vdash$ | _        |          | 120        | <del> </del>  | _           |          |          | _        | _  |                 | $\dashv$  | Щ         |             |
| <del>  -</del> | 21<br>22        | <u> </u>                                      | $\dashv$  | -        | +         | +        | +            | +         | +         | $\vdash$ | 71<br>72     | H                   | +        | +        | +             | +         | $\vdash$   | H               | $\dashv$ | -        | 121<br>122 | -             | $\vdash$    | $\dashv$ | -        | -        |    | $\vdash$        |           | $\dashv$  |             |
|                | 23              | $\vdash$                                      | $\dashv$  | _        | +         | +-       | +            | +         | $\forall$ |          | 73           |                     | $\dashv$ | $\dashv$ | $\dagger$     |           |            |                 |          |          | 123        |               |             | _+       | _        |          |    |                 |           |           |             |
|                | 24              |   |           |          |           |          |              |           | П         |          | 74           |                     | $\Box$   |          | I             |           |            |                 |          |          | 124        |               |             | $\Box$   |          |          |    |                 |           |           |             |
|                | 25              | <u> </u>                                      |           |          | $\perp$   |          | +            | $\perp$   | $\Box$    |          | 75           |                     | $\perp$  | $\perp$  | 4             | 1         | <u> </u>   | $\Box$          | _        |          | 125        | $oxed{\Box}$  | $\square$   | $\dashv$ | _        |          |    | $\sqcup$        | _         | Щ         |             |
| -              | 26<br>27        | $\vdash$                                      | $\dashv$  | +        | +         | +        | +            | +         | +         | <u> </u> | 76<br>77     |                     | +        | +        | +             | +         | H          | $\vdash$        | $\dashv$ |          | 126<br>127 | H             | $\dashv$    | $\dashv$ | +        | $\dashv$ |    | $\vdash$        | +         |           |             |
|                | 28              |   | $\dashv$  | +        | +         | +        | +            | +         | $\forall$ |          | 78           | -                   | -+       | $\dashv$ | +             | +         |            | $\vdash$        | $\dashv$ |          | 128        |               | $\dashv$    | $\dashv$ | $\dashv$ | $\dashv$ |    |                 | $\dashv$  | $\dashv$  |             |
|                | 29              |   |           |          | 土         |          |              |           | 口         |          | 79           |                     |          |          |               | 上         |            |                 |          |          | 129        |               |             |          |          |          |    |                 |           |           |             |
|                | 30              | $\perp$                                       | $\Box$    | $\bot$   | $\perp$   | $\perp$  | <u> </u>     | <u> </u>  | $\coprod$ |          | 80           | $\Box$              | $\perp$  | $\bot$   | $\perp$       | 1         | lacksquare | $\prod$         | 4        |          | 130        |               |             | $\dashv$ | _[       | _[       |    | Щ               | _         | Щ         |             |
| -              | 31<br>32        | $\vdash$                                      | $\dashv$  | +        | +         | +        | +            | +         | +         | <u> </u> | 81<br>82     | $\vdash$            | +        | +        | +             | +         | $\vdash$   | $\vdash$        | $\dashv$ | -        | 131<br>132 | H             | $\dashv$    | $\dashv$ | $\dashv$ | $\dashv$ | _  |                 |           | Н         |             |
| <u> </u>       | 33              |   | $\dashv$  | +        | +         | +        | +            | +-        | +         |          | 83           | $\vdash$            | +        | +        | +             | +         | H          | $\vdash$        | $\dashv$ |          | 133        |               |             | $\dashv$ |          |          |    | +               | $\dashv$  | Н         |             |
|                | 34              |   |           | o        | $\perp$   | 丁        | 士            |           | $\Box$    |          | 84           |                     | 士        | ╧        |               |           |            |                 |          |          | 134        |               |             |          |          |          |    |                 |           |           |             |
|                | 35              | $\Box$  | $\Box$    | 1        | Ţ         | I        | Ţ            | T         | П         |          | 85           | $\Box$              | $\bot$   | $\Box$   | Ţ             |           |            | $\Box$          |          |          | 135        |               |             | $ \bot $ | $\Box$   |          | _  |                 | $\Box$    | 囗         |             |
| -              | 36<br>37        | $\vdash$                                      | $\dashv$  | -        | +         | +        | +            | +         | $\dashv$  | <u> </u> | 86<br>87     | ┝                   | -        | +        | +             | +         | $\vdash$   | $\vdash \vdash$ | $\dashv$ |          | 136<br>137 | H             | $\dashv$    | $\dashv$ | $\dashv$ | $\dashv$ |    | $\vdash$        | $\dashv$  |           |             |
| $\vdash$       | 38              | $\vdash$                                      | $\dashv$  | +        | +         | +        | +            | +         | +         |          | 88           | $\vdash$            | +        | +        | +             | +         |            | $\vdash$        | $\dashv$ |          | 137        | H             | -           | -+       | $\dashv$ | $\dashv$ |    | ╁╌┼             | -         | $\dashv$  |             |
|                | 39              | $\Box$  |           |          | $\dagger$ | $\perp$  | $\dagger$    | $\dagger$ | $\forall$ |          | 89           | $\Box$              | _        |          | +             | $\bot$    |            |                 |          |          | 139        | Ħ             | H           | _†       |          |          | _  |                 | $\exists$ |           |             |
|                | 40              |   |           |          |           |          | $\downarrow$ |           | $\Box$    |          | 90           | П                   | $\Box$   | $\Box$   |               |           |            |                 |          |          | 140        |               |             |          |          |          |    | Ш               |           |           |             |
|                | 41              | $\vdash$                                      | $\dashv$  | $\perp$  | $\perp$   | $\perp$  | $\perp$      | $\perp$   | 4-4       | ļ        | 91           |                     | $\dashv$ | $\bot$   | +             | +         |            | $\sqcup$        | _        |          | 141        | Ц             | $\sqcup$    |          | 4        |          | _  | -               |           | $\dashv$  |             |
| -              | 42              | $\vdash$                                      | -         | +        | +         | +        | +            | +         | +         | -        | 92<br>93     | $\vdash \vdash$     | +        | +        | +             | +         | $\vdash$   | $\vdash$        | $\dashv$ | $\vdash$ | 142<br>143 | Н             | $\vdash$    | +        | -        | $\dashv$ | _  | $\vdash$        | $\dashv$  | $\dashv$  |             |
|                | 44              | H   | $\dashv$  | +        | +         | +        | +            | +         | $\forall$ |          | 94           | H                   | +        | -        | +             | +         | $\vdash$   | $\vdash$        | $\dashv$ | $\vdash$ | 144        | $\vdash$      | $\vdash$    | $\dashv$ | -        |          |    | $\vdash$        | $\dashv$  | $\dashv$  |             |
|                | 45              |   |           | 士        | 土         | 上        |              | İ         | $\Box$    |          | 95           |                     |          |          | 1             |           |            |                 |          |          | 145        |               |             |          |          |          |    |                 |           |           |             |
|                | 46              | П   | J         | Ţ        | $\perp$   | $\bot$   | Ţ            | Ţ         | П         |          | 96           | Ш                   | Ţ        |          | $\bot$        |           |            |                 | _        |          | 146        |               | $\Box$      | $\dashv$ | $\dashv$ | $\Box$   |    | П               | 1         | Ц         |             |
| <u> </u>       | 47<br>48        | $\vdash$                                      |           |          | +         | +        | +            | +         | +         |          | 97<br>98     | H                   |          | -        | +             | +         | $\vdash$   | $\vdash \vdash$ | $\dashv$ | $\vdash$ | 147<br>148 | $\vdash$      | $\dashv$    | $\dashv$ | $\dashv$ |          |    | ⊢┤              | $\dashv$  | $\dashv$  |             |
|                | 49              | ╁┤  |           | +        | +         |          | +            | +         | +         |          | 99           | $\vdash$            | $\dashv$ | $\dashv$ | +             | +         | $\vdash$   | H               | $\dashv$ |          | 149        | Н             | $\dashv$    | $\dashv$ | $\dashv$ | $\dashv$ |    | $\vdash$        |           | $\dashv$  |             |
| -              | 50              | Н   | 寸         | $\top$   | $\dagger$ | $\top$   | $\top$       | $\dagger$ | +         |          | 100          | H                   | $\dashv$ | -        | $\top$        | $\dagger$ |            | $\vdash$        | ┪        | $\Box$   | 150        | Н             | $\vdash$    | $\dashv$ | $\dashv$ |          |    | H               | $\dashv$  | $\dashv$  |             |

Application No.

Applicant(s)